


# Trailer/Tank Mounted Air Relief Valves

## Fixed Pressure Setting Valves

<b>Application:</b>	Designed specifically for use on trailer tanks containing dry bulk products. If a system blockage were to occur the valves are designed to vent to atmosphere once the valve pressure setting is achieved. <b>Not intended for blower service (for blower service applications see the 2182 series air relief valves shown on page 3).</b> 
<b>Standards:</b>	2180/3180 series have a +3/-0 set pressure tolerance (valve opens at set pressure plus 3 PSI): <ul style="list-style-type: none"> <li>• 2180 are available with 2" male or female NPT, cam and groove adapter or grooved pipe connections.</li> <li>• 3180 are available only with 3" female NPT connections</li> </ul>
<b>Materials:</b>	Bayloy vent cowl with aluminum upper, bronze poppet with white food grade silicone diaphragm in the 2180, red silicone diaphragm in the 3180
<b>Features &amp; Benefits:</b>	<ul style="list-style-type: none"> <li>• Available with a variety of pressure settings, see chart below for model specific available pressure settings. Customer should request set pressure at time of order.</li> <li>• Relieving capacity (SCFM) varies dependent upon model and pressure setting. See graph page 7, or for specific relief rates please refer to our website or contact Dixon®.</li> <li>• Installed cup seal deters tampering</li> <li>• Bayloy body helps prevent thread galling</li> <li>• PVC coated wire lanyard available for securing air relief valves with cam and groove adapter or groove pipe connections</li> </ul>



2180



2180B/15



2180V/15



3180

Valve Series	Valve Connection	Available Factory Set Pressure Range (PSI) <sup>1</sup>	Set Pressure Tolerance (PSI)	Diaphragm Material	Relieving Capacity (SCFM) <sup>2</sup>
<b>2180/xx</b>	2" female NPT	<b>2 to 25</b>	<b>+3/-0</b>	white food grade silicone	500 to 950
<b>2180/15</b>	2" NPTF air relief valve	<b>15</b>	<b>+3/-0</b>	white food grade silicone	500 to 950
<b>2180/18</b>	2" NPTF air relief valve	<b>18</b>	<b>+3/-0</b>	white food grade silicone	500 to 950
<b>2180B/15</b>	2" cam and groove adapter	<b>15</b>	<b>+3/-0</b>	white food grade silicone	500 to 950
<b>2180V/15</b>	2" grooved	<b>15</b>	<b>+3/-0</b>	white food grade silicone	500 to 950
<b>3180/xx</b>	3" female NPT	<b>4 to 30</b>	<b>+3/-0</b>	red silicone	750 to 1500

<sup>1</sup> Request the required pressure setting when ordering (xx refers to choice of pressure setting)

<sup>2</sup> Relieving capacity (SCFM) varies with set pressure, for specific rates please refer to our website or contact Dixon®

- See page 29 for repair kits
- See page 21 for air relief testing equipment

## PVC Coated Lanyards



CAL15

Part #	Description
<b>CAL15</b>	15" long PVC coated carbon steel cable, with aluminum crimp sleeves. One end is factory crimped, other end is un-crimped for field inspection.
<b>CAL25</b>	25" long PVC coated carbon steel cable, with aluminum crimp sleeves. One end is factory crimped, other end is un-crimped for field inspection.

Product instruction sheets and technical data, can be viewed at [dixonvalve.com](http://dixonvalve.com)